

Substitute for Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 014975-119
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/535442</b>
INTERNATIONAL APPLICATION NO. PCT/FI2003/000888	INTERNATIONAL FILING DATE 19 November 2003 (19.11.2003)	PRIORITY DATE CLAIMED 19 November 2002 (19.11.2002)	
TITLE OF INVENTION  NUCLEIC ACID PROBES AND BROAD-RANGE PRIMERS FROM REGIONS IN TOPOISOMERASE GENES, AND METHODS IN WHICH THEY ARE USED			
APPLICANT(S) FOR DO/EO/US ROTH, Stina; JALAVA, Jari; and NIKKARI, Simo			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>			
Items 11 to 21 below concern document(s) or information included:			
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input checked="" type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <u>(1) General Authorization for Petitions for Extensions of Time and Payment Fees; (2) Application Data Sheet; (3) Form PCT/ISA/210 (International Search Report); (4) Form PCT/IPEA/409 (Copy of International Preliminary Report on Patentability with attached Amended Sheets); (5) Paper Copy of Sequence Listing attached to Preliminary Amendment; (6) Finnish International Search Report; (7) Finnish Office Action; (8) Copy of "Corrected" WO 2004/046379 A1; (9) Marked-up Copy of Substitute Specification and Abstract; (10) Substitute Specification and Abstract</u></li> </ol>			

U.S. APPLICATION NO. <b>10/535442</b> <small>(If known, see 37 CFR 1.5)</small>	INTERNATIONAL APPLICATION NO. PCT/FI2003/000888	ATTORNEY'S DOCKET NUMBER 014975-119
--	--	--

  

21. ☒ Applicant(s) requests that the published application include the following assignment information: KOLSTER OY AB, Helsinki, Finland

22. ☒ The following fees are submitted:

Basic Filing Fee (1631)				\$ 300.00
Surcharge of <b>\$130.00 (1617)</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total Claims	19	-20 = 0	x \$50.00 (1615)	\$ 0.00
Independent Claims	4	-3 = 1	x \$200.00 (1614)	\$ 200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00 (1616)	
Examination Fee			+ \$200.00 (1633)	\$ 200.00
Search Fee			+ \$400.00 (1632)	\$ 400.00
App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)				
TOTAL OF ABOVE CALCULATIONS =				\$ 1,100.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+ \$ 550.00
SUBTOTAL =				\$ 550.00
Processing fee of <b>\$130.00 (1618)</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00
TOTAL NATIONAL FEE =				\$ 550.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 (8021)</b> per property +				
TOTAL FEES ENCLOSED =				\$ 550.00
				Amount to be refunded :
				charged :

a. ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-4800 in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

d. ☒ Charge \$ 550.00 to credit card. Form PTO-2038 is attached.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

**CALCULATIONS PTO USE ONLY**

SEND ALL CORRESPONDENCE TO:

Burns, Doane, Swecker & Mathis, L.L.P.  
 P.O. Box 1404  
 Alexandria, Virginia 22313-1404  
 (703) 836-6620

*Chris Mathis*  
 SIGNATURE *Reg. No 50,433*

*for* Ronald L. Grudziecki  
 NAME

24,970
May 19, 2005

REGISTRATION NO.
DATE